Jason Au

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OBJECTIVE
Seeking a co-op to further develop skills and acquire experience. Available in the summer and fall of 2019.

EDUCATION
Rochester Institute of Technology   B.S. Computer Engineering   Graduating 2022   3.62/4.00

PROJECTS/LABS
Reverse Image Searcher - Project
Problem: Was seeking a method of generating an Amazon link for a product with only an image.
Solution: Designed a program to use Google's reverse image searching database and use returned data to provide the user with an Amazon link to the product in the image. The website returned was interchangeable. Program was integrated with Discord to deepen understanding of another library and provide accessibility to others.
Tools: Python, Discord

Game Time Tracker – Project
Problem: Desired a mechanism to track time spent on programs and games for personal organization
Solution: Learned the Discord.py library and how to create a Discord Bot that would allow users to opt in to having the amount of time they spent on games tracked. Allowed other users to access the Bot's features and opt out at any point.
Tools: Python, Discord

Raspberry Pi Passcode– Project
Problem: Wanted a way to simulate a passcode-based lock with external inputs to a Raspberry Pi.
Solution: Learned how to utilize GPIO pins on a Raspberry Pi to detect a specific combination of inputs from external buttons. A successful combination sends a notification to the user via email that the successful passcode was entered.
Tools: Python, Raspberry Pi, GPIO

EXPERIENCE
Restaurant Worker   November 2016 – January 2019
Crepe N' Go, Rochester NY
Responsible for all customer interactions. Including, taking orders, serving them, and cleaning. Everything except for cooking.

Computer Engineering Tutor   March 2019 - Present
Rochester Institute of Technology, Rochester NY
Aid other students with their homework and studies with Computer Engineering classes. Hold weekly meeting times.

CLUBS
Society of Asian Scientists and Engineers   January 2018 – Present
Nationwide club seeking develop members' professionally. Offers opportunities to contribute to their local community. Simultaneously promotes Asian culture and heritage.

SKILLS
Programming Languages: C, Python, Java, VHDL, ARM Assembly, HTML
Software: Unix, Git, Make, Altera Quartus, ModelSim, OrCAD CaptureCIS, Vivado
Hardware: Raspberry Pi, Arduino, NXP Freedom Boards, Oscilloscope, Digital Multimeter, Waveform Generator